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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/865,108	05/24/2001	Craig S. Skinner	24530.01800	3048

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EXAMINER

SHARMA, SUJATHA R

ART UNIT	PAPER NUMBER
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2618

DATE MAILED: 04/26/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/865,108

Applicant(s)

SKINNER ET AL.

Examiner

Sujatha Sharma

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– The MAILING DATE of this communication appears on the cover sheet with the correspondence address –  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 17 February 2006.  
2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.  
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-20 is/are pending in the application.  
4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.  
5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.  
6) ☒ Claim(s) 1-20 is/are rejected.  
7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.  
8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.  
10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All b) ☐ Some \* c) ☐ None of:  
1. ☐ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☐ Notice of References Cited (PTO-892)  
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)  
3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_.  
4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.  
5) ☐ Notice of Informal Patent Application (PTO-152)  
6) ☐ Other: \_\_\_\_\_.

### DETAILED ACTION

As requested, by the attorney on record, in a telephonic conversation the office action mailed on 3/20/06 has been corrected to indicate a non-final rejection. This office action replaces the previous office action mailed 3/20/06 with the time period reset.

#### *Claim Rejections - 35 USC § 102*

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-4,9-20 are rejected under 35 U.S.C. 102(b) as being anticipated by Okano [US 6,763,238].

Regarding claims 1,13 Okano discloses a portable phone with various functional settings.

Okano further discloses a portable phone comprising:

- a radio unit configured to communicate with a network; See Fig.1 and col. 1, lines 66- col. 2, line 3
- at least one memory device configured to store application and system programs; See Fig.1, element 5, and col. 1,lines 63 - 67
- a processing unit coupled to said radio unit and said at least one memory device, said processing unit configured to run the application and system programs; Fig.1, control circuit 1, and col. 1,lines 63 - 67

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- wherein at least one of the application and system programs include a switch for enabling and disabling the radio while leaving the processing unit in an operation state. See col. 4, lines 8-51

Okano further discloses a method wherein the program applied to the mobile device is capable of controlling operation of the transmission function separately from other functions such as receiving call, telephone directory, schedule manager, games etc that can remain effective for use. See col. 1, line 63 – col. 3, line 32 and col. 4, lines 2-7, 52-65.

Regarding claims 2,14, Okano further discloses a method wherein upon disabling the radio, a notification program notifies the user that the radio is disabled. See col. 2, lines 12-16, col. 5, lines 52-56.

Regarding claims 3, Okano further discloses a method wherein said notification program is further configured to give the user an option to either continue executing the application or system program and automatically enable the radio device or discontinue execution of the application or system program and leaving the radio disabled. See col. 5, lines 3-50

Regarding claim 4, Okano further discloses the electronic device to comprise of a display screen and at least one of said system and application programs configured to generate a graphical user interface on the display screen having at least one soft button programmed to enable and disable said radio device. See Fig 1 and col. 4, lines 14-24.

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Regarding claims 9,10, Okano further discloses a method of menu option for schedule and the application and system programs include a scheduling application that provides user modifiable start and stop times that indicate when the radio unit is to be enabled and disabled. See col. 4, lines 34-65.

Regarding claims 11,12 Okano discloses a method of notifying a user of an RF enablement of a device comprising the steps of:

- identifying the invocation of a mechanism requiring access to the RF capabilities and determining the RF enablement of the RF device and a software enabled switch on a touch sensitive screen; see col. 1, line 63 – col.3, line 32, col. 4, lines 2-51
- prompting a user of the device if the mechanism is to be granted RF access; col. 5, lines 3-34
- retrieving a user input regarding whether RF access should be granted to the mechanism requiring RF access; see col. 5, lines 3-34
- if the user input indicates the mechanism is to be granted RF access, automatically enabling the RF device and allowing the mechanism requiring RF access to continue and access the RF device; col. 5, lines 3-34
- if the user input indicates the mechanism should not be granted RF access, then, shutting down the mechanism requiring RF access without enabling the RF device. col. 5, lines 3-34

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Regarding claims 15,17-20 Okano discloses a method wherein the notification program notifies the user of the status of the RF device by means of a display. See col. 2, lines 12-16, col. 5, lines 52-56. However, he does not specifically disclose the display to be an airplane icon.

It is well known in the art to display icons for indication status of the phone such as battery icon, signal strength icon etc.

Therefore it would have been obvious to one with ordinary skill in the art at the time the invention was made modify Okano to display the status of the transmission suspension using an airplane icon as an obvious design choice.

Regarding claim 16, Okano further teaches a method wherein the electronic device according comprises a shutdown device configured to maintain the radio unit in a non-enabled state, maintain the processing unit in an operational state, and shut down an application program that utilizes the radio unit upon a negative response to the prompt from the user. See col. 4, line 34 – col. 5, line 13.

***Claim Rejections - 35 USC § 103***

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claim 5 is rejected under 35 U.S.C. 103(a) as being unpatentable over Okano [US 6,763,238].

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Regarding claim 5, Okano discloses all the limitations as claimed. Okano further discloses a method where the data input section to input suspension of transmission command is a touch panel. See col. 4, lines 21-24 and 34-42. However, Okano does not specifically disclose a graphical user interface having a first soft button entitled “radio on” and a second soft button labeled “radio off” and an enablement of the radio device is indicated by the corresponding indicators.

Since Okano discloses the data input section to be a touch panel, it is obvious to have a soft-button selection on the touch panel to turn the transmission section on or off.

Therefore it would have been obvious to include the “radio on” and “radio off” soft buttons on the touch panel of Okano’s invention in order to allow the user to make the appropriate selection to activate or deactivate the transmission section.

4. Claims 6-8 are rejected under 35 U.S.C. 103(a) as being unpatentable over Okano [US 6,763,238] in view of Graham [EP 817 447 A1].

Regarding claims 6-8, Okano as treated in claim 1 discloses all the limitations as claimed. However he is silent to teach a method wherein the electronic device comprises a hard button programmed to enable and disable the radio device by engaging the hard button for a pre-determined length of time, wherein the pre-determined length of time is less than one second.

Graham, in the same field of endeavor, teaches a method wherein the electronic device comprises a hard button programmed to enable and disable the radio device by engaging the hard button for a pre-determined length of time, wherein the pre-determined length of time is less than one second. See col. 3, line 46 – col. 4, line 23.

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Therefore it would have been obvious to one with ordinary skill in the art at the time the invention was made to provide the above teaching of Graham to Okano in order to ensure that the electronic device is not inadvertently turned on/off.

### ***Response to Arguments***

5. Applicant's arguments with respect to claims 1-20 have been considered but are moot in view of the new ground(s) of rejection.

### ***Conclusion***


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sujatha Sharma whose telephone number is 571-272-7886. The examiner can normally be reached on Mon-Fri 7.30am - 4.00pm.


If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matthew D. Anderson can be reached on 571-272-4177. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.



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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
Sujatha Sharma  
April 24, 2006

  
Matthew Anderson  
SPE 2616